

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to PCT International Applications)

Rec'd PCT/TO 08 MAY 2006  
ATTORNEY'S DOCKET  
NUMBER: 176/61442 (6-1196)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. **10/541044**

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HYBRIDIZATION-BASED BIOSENSOR CONTAINING HAIRPIN PROBES AND USE THEREOF**

the specification of which (check only one item below):

is attached hereto.

was filed as U.S. Patent Application Serial No. \_\_\_\_\_ on \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

was filed as PCT International Application Number PCT/US2004/000093 on 02 January 2004.

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

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**PRIOR APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
U.S.A.	60/437,780	02 January 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER  
6/6142 (6-1196)

Rec'd PCT/PTO 08 MAY 2008

10/541044

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT International application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

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UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		
PCT/US2004/000093/	02 January 2004	10/541,044	X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Alice Y. Choi, Registration No. 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Connolly, Registration No. 48,987; Shelley A. Jones, Registration No. 53,081; Tate L. Tischner, Registration No. 56,048

Send Correspondence to: **Edwin V. Merkel, Esq.**  
**NIXON PEABODY LLP**  
**Clinton Square, P.O. Box 31051**  
**Rochester, New York 14603** Direct telephone calls to:  
**Edwin V. Merkel**  
**(585) 263-1128**

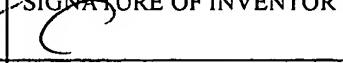
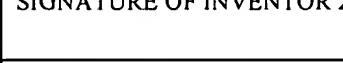
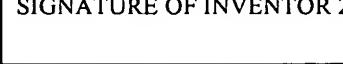
2	FULL NAME OF INVENTOR	FAMILY NAME <u>MILLER</u>	FIRST GIVEN NAME <u>Benjamin</u>	SECOND GIVEN NAME <u>L.</u>
0	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u> <u>NY</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
1	POST OFFICE ADDRESS	P.O. ADDRESS <u>17 Rolling Meadows Way</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526 U.S.A.</u>
2	FULL NAME OF INVENTOR	FAMILY NAME <u>KRAUSS</u>	FIRST GIVEN NAME <u>Todd</u>	SECOND GIVEN NAME <u>D.</u>
0	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
2	POST OFFICE ADDRESS	P.O. ADDRESS <u>29 Walnut Hill Drive</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526</u>
2	FULL NAME OF INVENTOR	FAMILY NAME <u>DU</u>	FIRST GIVEN NAME <u>Hui</u>	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY <u>Rochester</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>China</u>
3	POST OFFICE ADDRESS	P.O. ADDRESS <u>330 Kendrick Road</u>	CITY <u>Rochester</u>	STATE & ZIP CODE/COUNTRY <u>New York 14620</u>

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ATTORNEY'S DOCKET NUMBER  
176/61442 (6-1196)

2 0 4	FULL NAME OF INVENTOR	FAMILY NAME <u>CRNKOVICH</u>	FIRST GIVEN NAME <u>Nicole</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Rochester</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>6 Flamingo Drive</u>	CITY <u>Rochester</u>	STATE & ZIP CODE/CTRY <u>New York 14624</u>
5-08 2 0 5	FULL NAME OF INVENTOR	FAMILY NAME <u>STROHSAHL</u>	FIRST GIVEN NAME <u>Christopher</u>	SECOND GIVEN NAME <u>M.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Saugerties</u> <u>NY</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S. ✓</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>P. O. Box 353</u>	CITY <u>Saugerties</u>	STATE & ZIP CODE/CTRY <u>New York 12477</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203 
DATE <u>4-27-06</u>	DATE	DATE
SIGNATURE OF INVENTOR 204 	SIGNATURE OF INVENTOR 205 	SIGNATURE OF INVENTOR 206 
DATE	DATE <u>11/27/2006</u>	DATE

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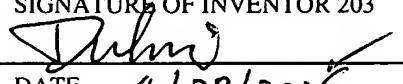
Send Correspondence to: Edwin V. Merkel, Esq.  
NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603 Direct telephone calls to:  
Edwin V. Merkel  
(585) 263-1128

2 0 1	FULL NAME OF INVENTOR	FAMILY NAME <u>MILLER</u>	FIRST GIVEN NAME <u>Benjamin</u>	SECOND GIVEN NAME <u>L.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>17 Rolling Meadows Way</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526 U.S.A.</u>
2 0 2	FULL NAME OF INVENTOR	FAMILY NAME <u>KRAUSS</u>	FIRST GIVEN NAME <u>Todd</u>	SECOND GIVEN NAME <u>D.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>29 Walnut Hill Drive</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526</u>
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME <u>DU</u>	FIRST GIVEN NAME <u>Hui</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Sunnyvale Ca.</u>	STATE/FOREIGN COUNTRY <u>California</u>	COUNTRY OF CITIZENSHIP <u>China</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>1063 Morse Avenue, Apt. 2-203</u>	CITY <u>Sunnyvale</u>	STATE & ZIP CODE/COUNTRY <u>California, 94089</u>

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
(Includes Reference to PCT International Applications)

204	FULL NAME OF INVENTOR	FAMILY NAME CRNKOVICH	FIRST GIVEN NAME Nicole	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Rochester	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.
	POST OFFICE ADDRESS	P.O. ADDRESS 6 Flamingo Drive	CITY Rochester	STATE & ZIP CODE/CTRY New York 14624
205	FULL NAME OF INVENTOR	FAMILY NAME STROHSAHL	FIRST GIVEN NAME Christopher	SECOND GIVEN NAME M.
	RESIDENCE & CITIZENSHIP	CITY Saugerties	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.
	POST OFFICE ADDRESS	P.O. ADDRESS P. O. Box 353	CITY Saugerties	STATE & ZIP CODE/CTRY New York 12477

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203 
DATE	DATE	DATE 4/28/2006
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

Page 3 of 3

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ATTORNEY'S DOCKET

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176/61442 (6-1196)

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Page 1 of 3

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
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NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603 Direct telephone calls to:  
Edwin V. Merkel  
(585) 263-1128

2 0 1	FULL NAME OF INVENTOR	FAMILY NAME <u>MILLER</u>	FIRST GIVEN NAME <u>Benjamin</u>	SECOND GIVEN NAME <u>L.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>17 Rolling Meadows Way</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526 U.S.A.</u>
2 0 2	FULL NAME OF INVENTOR	FAMILY NAME <u>KRAUSS</u>	FIRST GIVEN NAME <u>Todd</u>	SECOND GIVEN NAME <u>D.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Penfield</u> <u>NY</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>U.S.A.</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>29 Walnut Hill Drive</u>	CITY <u>Penfield</u>	STATE & ZIP CODE/COUNTRY <u>New York 14526</u>
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME <u>DU</u>	FIRST GIVEN NAME <u>Hui</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Rochester</u>	STATE/FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>China</u>
	POST OFFICE ADDRESS	P.O. ADDRESS <u>330 Kendrick Road</u>	CITY <u>Rochester</u>	STATE & ZIP CODE/COUNTRY <u>New York 14620</u>

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204	FULL NAME OF INVENTOR  CRNKOVICH	FAMILY NAME  CRNKOVICH	FIRST GIVEN NAME  Nicole	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP  Rochester	CITY  Rochester	STATE/FOREIGN COUNTRY  New York	COUNTRY OF CITIZENSHIP  U.S.
	POST OFFICE ADDRESS  6 Flamingo Drive	P.O. ADDRESS  6 Flamingo Drive	CITY  Rochester	STATE & ZIP CODE/CTRY  New York 14624
205	FULL NAME OF INVENTOR  STROHSAHL	FAMILY NAME  STROHSAHL	FIRST GIVEN NAME  Christopher	SECOND GIVEN NAME  M.
	RESIDENCE & CITIZENSHIP  Saugerties	CITY  Saugerties	STATE/FOREIGN COUNTRY  New York	COUNTRY OF CITIZENSHIP  U.S.
	POST OFFICE ADDRESS  P. O. Box 353	P.O. ADDRESS  P. O. Box 353	CITY  Saugerties	STATE & ZIP CODE/CTRY  New York 12477

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DATE  4 May '06	DATE  4 May '06	DATE
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176/61442 (6-1196)

10/541044

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT International application(s), designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT  
UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		
PCT/US2004/000093	02 January 2004	10/541,044✓	X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Alice Y. Choi, Registration No. 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Connolly, Registration No. 48,987; Shelley A. Jones, Registration No. 53,081; Tate L. Tischner, Registration No. 56,048.

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COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
(Includes Reference to PCT International Applications)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE
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DATE 3/15/2006	DATE	DATE